"CLAIM LISTING FOR USSN 10/656,529

Claims 1-21 (cancelled)

22.	(Previously presented) A method for operating a fuel cell system, the system
	including a stack of PEM fuel cells including at least one cooler for carrying
	antifreeze through the stack to remove heat, the fuel cell system further
	including a water circulation system for accumulating water and circulating
	that water through water flow passages passing through each cell, wherein, at
	the time of start-up, the stack has frozen water therein and there is insufficient
	liquid water within the water circulation system to enable the circulation of
	water, the method for operating the fuel cell system including (a) starting up
	and operating the frozen stack by introducing non-humidified reactants into
	the cells and connecting a load across the stack to generate heat to increase the
	stack temperature to above 0°C and thereby melt frozen water within the stack,
	including accumulating liquid water during stack operation until there is
	sufficient liquid water to enable circulation of liquid water through the cell
	water flow passages, and thereafter circulating that water through the water
	flow passages to provide humidification for the cells, and, (b) at a stack
	operating temperature above 0° C, initiating and maintaining the circulation of
	antifreeze through the stack cooler to prevent the operating temperature of the
	stack from increasing beyond a preselected temperature during the period of
	operation of the stack prior to said step of circulating the water, said
	preselected temperature being selected to prevent the cells from drying out
	during said period of operation, and (c) allowing the stack operating
	temperature to increase above that preselected temperature after water
	circulation through the water flow passages has begun, and (d) shutting down
	the stack and, upon shutdown, draining liquid water from the cell water flow
	passages before it freezes.
23.	(Previously presented) The method according to claim 22, wherein the stack

23. (Previously presented) The method according to claim 22, wherein the stack operating temperature is allowed to increase to said preselected temperature before antifreeze circulation is initiated, and the antifreeze circulation

- maintains the stack operating temperature at said preselected temperature until
 water circulation through the water flow passages has begun.

 24. (Previously presented) The method according to claim 22, wherein the
 preselected temperature is no more than about 40°C.
 - 25. (Previously presented) The method according to claim 22, wherein the preselected temperature is between 30°C and 40°C.
- 26. (Previously presented) The method according to claim 23, wherein said preselected temperature is between 30°C and 40°C.
 - 27. (Previously presented) The method according to claim 22, wherein the water circulation system includes a water accumulator, wherein upon start-up of the stack the accumulator has frozen water therein, and operation of the stack after startup is used to melt frozen water within the accumulator.

Claims 28-30 (canceled)

1

2

1

2

4